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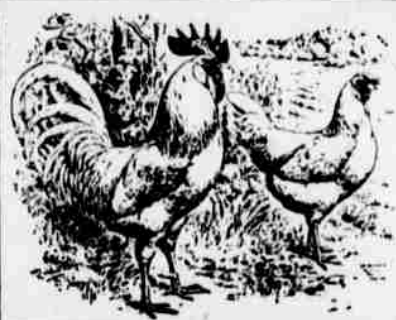
Utah State Plow

Which is conceded by ALL farmers to be the

Highest in Draft and Most Durable

of any plow on the market, so simple in its construction that a boy who can handle a pair of lines can use the plow. Call at the

Danielsen Man'g Co



Thorough-bred
Single-combed

White Leghorns For Sale.

Apply to **ANTHON PEHRSON**
960 Canyon Street, Logan.

City of McCAMMON.

H. O. Harkness has divided up a part of his fine farming land into City lots and many of them are being sold. He is putting in a fine system of water works, brought from springs in the mountains; a fine electric light plant. McCammon is destined to become a center with wonderful possibilities before it. The advantages for manufacturing industries are unsurpassed in the West, some of the finest water power in the world. City lots are sold at a low price, with free piped water for domestic use and electric lights for two years, thereafter a reasonable rate will be charged. Parties desirous of starting new homes now have an excellent opportunity to buy building ground cheap, with modern conveniences attached. McCammon supports one of the finest grist mills in the West, good stores, and lumber yards. Tracts of farming land can be secured adjacent to the proposed town. An excellent opportunity is offered for gardeners, especially as most of the garden products are imported into Pocatello. Young men just starting out in life should not fail to investigate this proposition. For further particulars, write to

H. O. HARKNESS, McCammon, Ida.

Renters Wanted.

THE LEWISTON SUGAR CO.,

is offering for rent, on easy terms, small or large farms, at Lewiston, Utah, said land to be used for growing sugar beets. Here is a chance for home-seekers to secure good homes for a term of years in the most desirable part of Cache Valley. Address:

GEO. C. PARKINSON, Lewiston, Utah.

W. S. McCORMICK, President. ALLAN M. FLEMING, Cashier.
JAMES QUAYLE, Vice Pres. GEO. A. PERCIVAL, Asst.

THE FIRST NATIONAL BANK, LOGAN, UTAH.

Under United States Government Supervision.
CAPITAL AND PROFITS \$70,000.

Courteous Attention to All. Interest Paid on Time Deposits.
Foreign Drafts Issued. Prompt, Conservative, Safe.

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And Dealer in Monuments
and Tombstones.

Samples of fine work constantly on hand. North Main street, between Con. 1. and Robbin's building.

Logan Real Estate & Loan Co.

Choice Farms & City Property For Sale.

—REASONABLE TERMS—

LOUIS L. CARDON, Manager.
Office—Z. C. M.I. Building. Up stairs.
P. O. Box, 375

FEEDING OF BEET PULP

Its Value as Determined by Experiments at
A. C. of U. and Explained in Bulletin.

For the last two winters feeding experiments have been carried on by this station to ascertain the value of beet pulp and beet molasses as food for sheep and steers. In a feeding test made with sheep two years ago the results of which are reported in bulletin No. 78, sugar beet pulp and sugar beet molasses gave profitable returns. When lucern and pulp were fed, one pound of gain was made from 7.95 pounds of lucern and 17.86 pounds of pulp. One hundred pounds of increase was made at a cost of \$2.48 and pulp had a value of \$1.86 per ton. When lucern, grain (one-half screenings and one-half bran) and pulp were fed, one pound of gain was made from 4.23 pounds of lucern, 1.56 pounds grain and 10.14 pounds pulp. One hundred pounds of increase was made at a cost of \$2.28 and pulp had a value of \$3.58 per ton. These results agree with the results obtained in the last feeding experiment, namely, that the greatest profit comes from feeding lucern and pulp to sheep when a small amount of grain is added to the ration. Pulp fed in limited quantities with lucern or lucern and grain did not give as good results as when similarly fed ad libitum. When lucern, bran and molasses were fed one pound of gain was made from 8.1 pounds of lucern, 1.5 pounds bran and 1.43 pounds of molasses. One hundred pounds of increase was made at a cost of \$2.59.

In the feeding experiment carried on last winter the steers and sheep that received only lucern and beet pulp made the smallest gains per day, and of all lots they required the most dry matter per pound of growth, but gave the largest profit. The steers made one pound of gain from 11.5 pounds of lucern and 31.4 pounds of pulp at a cost of 2.8 cents. The sheep made one pound of gain with 16.6 pounds lucern and 36.7 pounds pulp at a cost of 3.8 cents. Pulp when fed ad libitum with lucern to steers had a value per ton of \$1.85 and when similarly fed to sheep it had a value of \$1.13. One hundred pounds of increase with steers on a full ration of lucern and grain (4 bran and 4 shorts) cost \$4.93. One hundred pounds of increase with another lot of steers of no better feeding quality on a full ration of lucern, grain and pulp cost \$3.98. One pound of gain was made from 7.2 pounds lucern, 3.2 pounds grain and 17 pounds pulp. Pulp had a value of \$2.06 per ton. When a full ration of lucern and pulp was fed with a half ration of grain one pound of gain was made from 9.2 pounds lucern, 2.03 pounds grain and 19.1 pounds pulp. One hundred pounds increase cost \$3.51 and pulp had a value of \$1.66 per ton. When a full ration of grain and pulp was fed with a half ration of lucern one pound of gain was made from 4.28 pounds lucern, 3.65 pounds grain and 21.3 pounds pulp. One hundred pounds increase cost \$3.84 and pulp had a value of \$2.54 per ton. The above results indicate that the greatest profit is secured when lucern and pulp are fed ad libitum with no grain or a minimum of grain (4 bran and 4 shorts).

Molasses in small quantities (four pounds per animal per day) fed with eight pounds of grain per animal per day and with pulp ad libitum had a value of \$2.35 per ton. Mr. Hans Larsen, a feeder at the Logan sugar factory, feeds thousands of sheep and steers for shipment to the Pacific coast every winter. His feeding operations are financially successful and he values beet pulp at \$2.50 per ton. Lucern and beet pulp are fed ad libitum regularly twice a day in well-drained open yards and only such quantities given as will be eaten up clean in a few hours. All animals have constant access to salt and water and are bedded with straw during the coldest months. Good drainage of yards and plenty of bedding should always be provided, if possible, as heavy pulp feeding causes a very laxative condition.

Much more feeding of sheep and cattle should be done in the vicinity of beet sugar factories by farmers than is now practiced. Because of its high per cent of water, beet pulp could not be profitably transported long distances. One ton of pulp contains about 1800 pounds of water. On account of its succulency and carbonaceous character it is a most valuable food for winter use and makes an excellent supplementary food to lucern and the grains. Pulp keeps well in the open air in large piles but in small piles it may freeze, which injures its food value. It has a strong offensive odor during early fermentation and therefore it should not be stored near dwellings nor in barns where livestock is kept. Fermentation seems to improve rather than injure it. If subsoil drainage is good, pulp may be stored in pits and covered with some

kind of straw or litter but not with barn yard manure.

In feeding beet pulp the best practice is to begin with a small quantity per day and gradually increase until the desired number of pounds is reached, taking several weeks for it. There is more danger of feeding too much at first than too little. When too much is fed, animals get off feed and scour, but straw added to the ration will help obviate this trouble. The feeding should begin with one or two pounds per head per day for sheep and hogs, and ten or fifteen pounds per day for cattle. Along with grain and dry forage, sheep will take per head per day from two to ten pounds, cows thirty to fifty pounds and steers forty to eighty pounds. Pulp may be fed along with concentrates to hogs in small quantities, but as it is not naturally suited to this class of animals the quantity fed should be small. For swine, pulp should not be depended upon too largely, for to them as a single food it is only a maintenance ration. Animals will take rapidly to pulp if it is mixed with grain. The amount of pulp fed per day should be reduced toward the close of the fattening period, especially if the animals are to be shipped long distances to market.

Sheep should be dipped for scab two or three times at intervals of two weeks before being put into the feed lot; otherwise, most profitable returns may not be obtained. When steers are to be fed a considerable length of time they should be dehorned as it makes them more tractable and docile.

Dry and comfortable but not necessarily warm quarters, constant access to salt and water, regular feeding and kind treatment are essential if most profitable results are to be obtained.

Notice.

Notice is hereby given that by order of the Department of the Interior not to exceed 25,000 head of locally owned sheep and not to exceed 7,000 locally owned horses and cattle, shall be allowed to graze upon the Logan Forest Reserve during the year 1904. The grazing season for sheep shall commence June 1st, 1904, and of cattle and horses May 10, 1904, and all sheep are to be driven direct to the areas hereinafter described, and to be excluded from canyons entirely. All persons residing in Cache or Rich counties, State of Utah, who desire to graze any sheep, cattle or horses upon the Logan Forest Reserve during the said year of 1904, must, on or before January 1st, 1904, present their applications in due form to the undersigned, at Logan City, Utah.

Until further notice sheep may be grazed only upon the following described lands within the reserve:

Sections 25, 26, 27, 28, 31, 32, 33, 34, 35, 36, all in Township twelve (12) North, Range three, (3) East, Salt Lake Meridian.

Also, Sections 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35 all in Township twelve (12) North, Range four (4) East, Salt Lake Meridian.

Also, Sections 1, 2, 11, 12, 13, 14, 24, 25, 26 all in Township thirteen (13) North, Range two (2) East, Salt Lake Meridian.

Also, Sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, all in Township thirteen (13) North, Range four (4) East, Salt Lake Meridian.

JOHN F. SQUIRES,
Ranger in Charge.

Notice to Contractors.

Office of the County Clerk of Cache County, Logan City, Utah, October 13, 1903. Sealed proposals will be received at this office until 12 o'clock noon Monday Nov. 5, 1903 for the work of constructing a cement culvert over Ballard Spring about 1 1/2 miles south of Logan City. Plans and specifications can be obtained upon application at the office of Monson and Schaub, Campbell & Morrell building 63 North Main St., Logan City.

The right is reserved to reject any and all bids. By order of Board County Commissioners of Cache County, Utah.

BRIGHAM A. HENDRICKS,
Chairman.

King Is Vain.
King Leopold of Belgium never wears gloves. He is very proud of his hands, which are perfect in shape and appearance, and on which he spends a great deal of time. His beard also comes in for a large share of his attention.

PROBATE AND GUARDIANSHIP NOTICE.

Consult County Clerk or the Respective Signers for Further Information.

In the District Court, Probate Division in and for Cache County, State of Utah.

NOTICE TO CREDITORS.
Estate of William Haslam, deceased.
Creditors will present claims with vouchers to the undersigned at his residence in Wellsville in the county of Cache, State of Utah, on or before the 4th day of August, A. D. 1904.
ALEXANDER B. MAUGHAN,
Executor of the last will of the Estate of William Haslam, deceased.
Date of first publication October 26th, 1903.

NOTICE TO CREDITORS.
Estate of George Y. Smith, deceased.
Creditors will present claims with vouchers to the undersigned at the office of James C. Walters, attorney-at-law, 27 North Main St., Logan, Utah, on or before the 15th day of February, A. D. 1904.
ELIZABETH R. SMITH,
Administratrix of the estate of George Y. Smith, deceased.
Date of first publication, October 14, 1903.

NOTICE TO CREDITORS.
Estate of William Harris, deceased.
Creditors will present vouchers to the undersigned at his residence in Richmond, Cache County, State of Utah, on or before the 25th day of July, A. D. 1904.
CHARLES Z. HARRIS,
Administrator of the estate of William Harris, deceased.
Date of first publication Sept. 25th, 1903.

Notice to Creditors.
Estate of Clarissa Taggart Parkinson, deceased.
Creditors will present claims with vouchers to the undersigned at his office in Logan City in the County of Cache and State of Utah, on or before the 5th day of February, A. D. 1904.
WILLIAM B. PARKINSON,
Administrator of the estate of Clarissa Taggart Parkinson, deceased.

In the District Court of the First Judicial District, of the State of Utah, in and for the County of Cache.

In the matter of the estate of Julius Johnson, deceased. Notice.
The petition of H. F. Liljenquist and Michael Johnson, executors of the will of Julius Johnson, deceased, praying for the settlement of final account of said executors and for the final distribution of the residue of said estate to the persons entitled, has been set for hearing on Saturday, the 31st day of October, A. D. 1903, at 10 o'clock a. m. at the county court house, in Logan City, Cache County, Utah. Witness the clerk of said court with the seal thereof affixed this 15th day of October, 1903.
J. N. LARSEN,
Clerk.

SEAL J. C. Walters, Attorney.

Notice of Intention to Tax.

Notice is hereby given by the city council of Logan City, Utah, that it intends to levy a special tax on the real estate hereinafter described, for the purpose of laying a cement sidewalk six feet wide and for the purpose of levying said tax, a special taxing district to be known and designated as Sidewalk District No. 5 will be created within the boundaries of the district to be affected and benefited by the said improvement.

That the said improvement will begin at the corner of Center street, and First West street, and will run west on both sides of Center street, to Second West street, a distance of one block.

That the property to be affected and benefited by the said improvement will be that abutting along the said improvement, fronting the same on both sides of the street, and is described as follows: Lots one (1) two (2) three (3) and four (4) in block thirteen (13) in plat A Logan city survey, and lots five (5) and six (6) in block four (4) plat A Logan city survey.

That the estimate cost of the said improvement is \$1.10 per front or linear foot, for defraying the whole thereof the city council intends to levy a special tax on the frontage of the property as above mentioned, affected and benefited by the said improvement.

The city council will consider the proposed levy and hear objections thereto in writing on Wednesday the 4th day of November, 1903, at 8 o'clock p. m. at the city council chamber.

HATTIE SMITH,
City Recorder.
Date of first publication October 10th, 1903.

Notice of Intention to Tax.

Notice is hereby given by the City Council of Logan City, Utah, that it intends to levy a special tax on the real estate hereinafter described, for the purpose of extending, maintaining and laying water pipes and mains and for the purpose of levying said tax, a special taxing district to be known and designated as Water Mains Extension District, No. 12 will be created within the boundaries of the district to be affected and benefited by the said improvement.

That the said improvement will begin at a point fifteen rods west of the corner of First South street and Fourth West street, and run thence west to Sixth West street.

That the property to be affected and benefited by the said improvement will be that abutting along the said improvement, fronting the same on both sides of the street, and is described as follows: Lots four (4) five (5) and six (6) in block five (5) plat B Logan City survey, and lots one (1) and two (2) in block eight (8) plat A in Logan City survey, lots three (3) and four (4) and the west one-third of lot two (2) of block seven (7) plat A of Logan City survey, and lot five (5) and the west one-third of lot six (6) in block four (4) plat B Logan City survey.

That the estimated cost of said improvement is \$0.65 per front or linear foot, for defraying the whole thereof, the city council intends to levy a special tax on the frontage of the property as above mentioned, affected and benefited by the said improvement.

The city council will consider the proposed levy and hear objections thereto in writing on Wednesday the 4th day of November, 1903, at 8 o'clock p. m. at the city council chamber.

HATTIE SMITH,
City Recorder.
Date of first publication October 10 1903

HERE'S A CERTAIN SATISFACTION
In getting a beautiful useful and well made article at a moderate price

Simmons Watch Chains

always give purchasers that satisfaction.

A watch case is the clothes of the watch—as such it must be good as well as good looking. You can see the good looks of ours at once—you will see the good wear as the years pass—though we will guarantee it now

Cardon Jewelry Co.,
Logan, Utah.

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—NOW IS YOUR CHANCE—

1,000 Rolls of

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To be sold Very Cheap as Job Lots

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EDWIN PEAKE,
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196 East South Street, LOGAN, Utah:

Are now prepared to handle

HAY, GRAIN AND SEED

and will pay the highest market price.

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